

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-20 (Cancelled)

21. (New) A pipe fitting for connecting at least two pipes, which pipe fitting comprises at least an innermost layer and an outer layer in such a way that the innermost layer is made of a material different from the outer layer, and that the innermost layer is made of plastic tolerating high temperatures, and that the outer layer is formed of such a material that the outer layer is arranged to function as the provider of oxygen diffusion protection and/or the UV protector, wherein the materials of the different layers are selected in such a way that the outer layer is not attached to the innermost layer, such that the surfaces of the innermost layer and the outer layer are able to move relative to each other.

22. (New) A pipe fitting according to claim 21, wherein the outer layer is arranged to function as the provider of chemical resistance.

23. (New) A pipe fitting according to claim 21 wherein the outer layer is arranged to function as mechanical reinforcement.

24. (New) A pipe fitting according to claim 21, wherein the innermost layer is made of polyphenyl sulphone PPSU, polysulphone PSU or polyvinylidene fluoride PVDF.

25. (New) A pipe fitting according to claim 21, wherein the outer layer is made of polyamide PA, polypropylene PP or polyethylene PE.

26. (New) A pipe fitting according to claim 21, wherein the walls of the innermost layer are formed smooth.

27. (New) A pipe fitting according to claim 21, wherein there is an intermediate layer between the innermost layer and the outer layer.

28. (New) A pipe fitting according to claim 27, wherein the intermediate layer is a foamed plastic material layer.

29. (New) A pipe fitting according to claim 21, wherein the outer surface of the pipe fitting is of the same colour as the pipe to be connected to the pipe fitting.

30. (New) A pipe fitting according to claim 21, wherein the end of the outer layer is arranged to function as the stop member of the pipe to be inserted into the pipe fitting.

31. (New) A pipe fitting according to claim 21, wherein the UV protection of the outer surface of the pipe fitting is intensified with metal or mica pigment.

32. (New) A pipe fitting according to claim 21, wherein a compression collar is arranged to be used to guarantee the connection between the pipe fitting and the pipe.

33. (New) A pipe fitting according to claim 32, wherein the outer diameter of the pipe fitting is arranged to be equal to the outer diameter of the compression collar.

34. (New) A pipe fitting according to claim 32, wherein the colour of the compression collar is substantially the same as the colour of the pipe fitting.

35. (New) A pipe fitting according to claim 34, wherein the outer surface of either the compression collar or the pipe fitting is embossed.

36. (New) A pipe fitting according to claim 32, wherein the end of the compression collar on the side of the pipe is rounded.

37. (New) A pipe fitting according to claim 32, wherein a support is intended to be used in connection with the pipe fitting, the support having a support collar whose width is substantially equal to the width of the compression collar and whose outer diameter is substantially equal to the outer diameter of the compression collar.

38. (New) A pipe fitting according to claim 37, wherein the pipe, the support, the pipe fitting and the compression collar are substantially of the same colour.

39. (New) A pipe fitting according to claim 21, wherein in connection with the pipe fitting a plastic composite pipe having a plastic innermost layer and a metal layer outside it is intended to be used; the outer surface of the plastic composite pipe is of metal colour, the colour being provided by using a transparent extruded plastic material upon the metal layer, or in such a way that a surface is extruded upon the metal, which surface is coloured using pearlescent, metal-coloured or mica pigments.

40. (New) A pipe fitting according to claim 21, wherein the outer layer is formed as a separate and replaceable part.